

# DART SERVICE INSTRUCTION


TO AMEND INSTALLATION INSTRUCTIONS IIN-D135-1027 REV. E AND  
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D135-1027 REV. 2 OR LATER APPROVED REVISIONS  
REF. TCCA STC: SH18-49  
REF. FAA STC: SR04276NY  
REF. EASA STC: 10068097  
REF. DGAC MEXICO STC: IA-633/2019

## 1.0 PURPOSE

The purpose of this Dart Service Instruction (DSI) is to provide instructions for modifying the DART D135-1027-101/-103 forward crosstube for compatibility with the attachment hardware of Airbus Helicopters Service Bulletin (SB) EC135-32-013, current-version standard steps, multifunctional steps, and emergency float steps.

Airbus Helicopters has issued SB EC135-32-013 providing instruction on retrofitting standard steps for compatibility with the multifunctional step or the emergency float step. Some holes in the DART forward crosstube must be enlarged to allow installation of the Airbus Helicopters steps covered by the SB.

## 2.0 INSTALLATION

- 2.1 If present, remove standard entrance step and attachment hardware from landing gear in accordance with Airbus Helicopters SB EC135-32-013.
- 2.2 Drill 14H7  $\phi$  (range of tolerance 14.0 mm to 14.018 mm) on the aft side of forward crosstube only. Leave the holes in the forward side of the forward crosstube at  $\phi$  12mm. Refer to Figure 1 of this DSI.
- 2.3 Deburr all drilled holes and remove any debris from the inside of the crosstube. Touch up affected area per section 5.3.10 of ICA-D135-1027.
- 2.4 If retrofitting Airbus Helicopters standard steps, install step bracket attachment fitting in accordance with Airbus Helicopters SB EC135-32-013. Otherwise, install the Airbus Helicopters steps in accordance with the Aircraft Maintenance Manual.
-  2.5 It is acceptable to enlarge/elongate the mounting holes on the Airbus Helicopters steps by up to 0.040" (1.0mm) to ensure alignment with the step mounting holes in the Dart crosstubes.

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

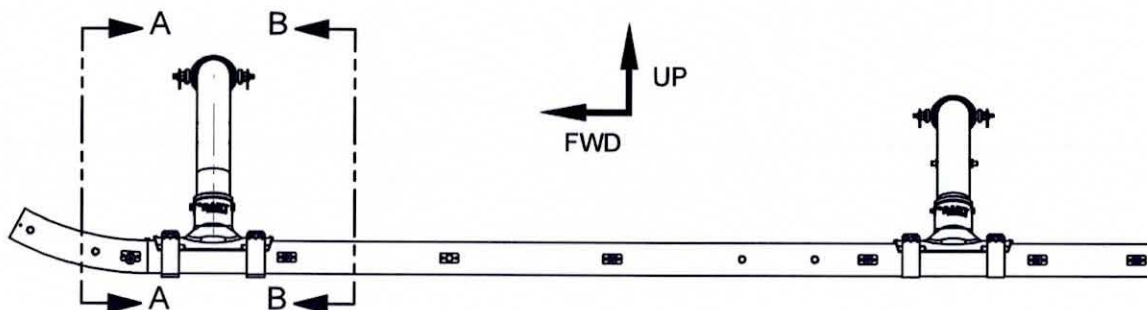
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BY:   
D. SHEPHERD (DE # 02)

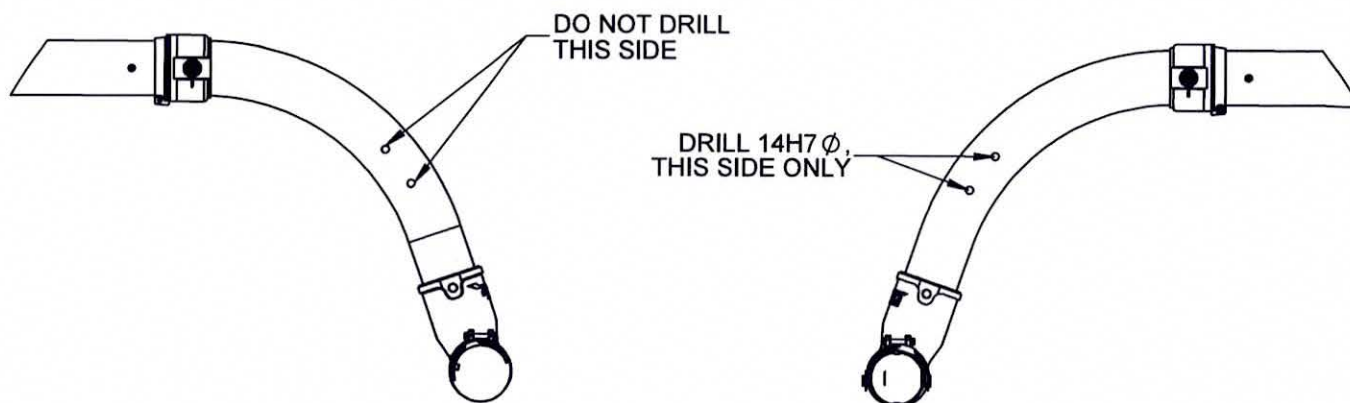
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**FIGURE 1**  
EC 135 LANDING GEAR



**SECTION A**  
VIEW LOOKING AFT

**SECTION B**  
VIEW LOOKING FWD

### 3.0 WEIGHT AND BALANCE

This DSI has negligible effect on weight and balance.

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REV. B

SHEET 2 OF 2

TITLE  
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